

STATE AIR POLLUTION CONTROL BOARD

REGULATIONS FOR THE CONTROL AND ABATEMENT OF AIR POLLUTION (9 VAC 5 CHAPTERS 50 AND 60)

9 VAC 5 CHAPTER 50.
NEW AND MODIFIED STATIONARY SOURCES.PART II.
Emission Standards.ARTICLE 5.
Environmental Protection Agency Standards of Performance
For New Stationary Sources (Rule 5-5).

9 VAC 5-50-400. General.

The U.S. Environmental Protection Agency Regulations on Standards of Performance for New Stationary Sources (40 CFR Part 60) designated in 9 VAC 5-50-410 are, unless indicated otherwise, incorporated by reference into these regulations as amended by the word or phrase substitutions given in 9 VAC 5-50-420. The complete text of the subparts in 9 VAC 5-50-410 incorporated herein by reference is contained in 40 CFR Part 60. The 40 CFR section numbers appearing under each subpart in 9 VAC 5-50-410 identify the specific provisions of the subpart incorporated by reference. The specific version of the provision adopted by reference shall be that contained in the CFR (~~1998~~) (~~1999~~) in effect July 1, ~~1998~~ ~~1999~~. In making reference to the Code of Federal Regulations, 40 CFR Part 60 means Part 60 of Title 40 of the Code of Federal Regulations; 40 CFR 60.1 means Section 60.1 in Part 60 of Title 40 of the Code of Federal Regulations.

STATE AIR POLLUTION CONTROL BOARD

REGULATIONS FOR THE CONTROL AND ABATEMENT OF AIR POLLUTION (9 VAC 5 CHAPTERS 50 AND 60)

9 VAC 5 CHAPTER 60.
HAZARDOUS AIR POLLUTANT SOURCES.PART II.
Emission Standards.ARTICLE 1.
Environmental Protection Agency National Emission
Standards For Hazardous Air Pollutants (Rule 6-1).

9 VAC 5-60-60.General.

The Environmental Protection Agency (EPA) Regulations on National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61) designated in 9 VAC 5-60-70 are, unless indicated otherwise, incorporated by reference into these regulations as amended by the word or phrase substitutions given in 9 VAC 5-60-80. The complete text of the subparts in 9 VAC 5-60-70 incorporated herein by reference is contained in 40 CFR Part 61. The 40 CFR section numbers appearing under each subpart in 9 VAC 5-60-70 identify the specific provisions of the subpart incorporated by reference. The specific version of the provision adopted by reference shall be that contained in the CFR ~~(1998)~~ (1999) in effect July 1, ~~1998~~ 1999. In making reference to the Code of Federal Regulations, 40 CFR Part 61 means Part 61 of Title 40 of the Code of Federal Regulations; 40 CFR 61.01 means Section 61.01 in Part 61 of Title 40 of the Code of Federal Regulations.

STATE AIR POLLUTION CONTROL BOARD

REGULATIONS FOR THE CONTROL AND ABATEMENT OF AIR POLLUTION (9 VAC 5 CHAPTERS 50 AND 60)

9 VAC 5 CHAPTER 60.
HAZARDOUS AIR POLLUTANT SOURCES.PART II.
Emission Standards.ARTICLE 2.
Environmental Protection Agency National Emission Standards for
Hazardous Air Pollutants for Source Categories (Rule 6-2).

9 VAC 5-60-90. General.

The Environmental Protection Agency (EPA) National Emission Standards for Hazardous Air Pollutants for Source Categories (40 CFR Part 63) designated in 9 VAC 5-60-100 are, unless indicated otherwise, incorporated by reference into these regulations as amended by the word or phrase substitutions given in 9 VAC 5-60-110. The complete text of the subparts in 9 VAC 5-60-100 incorporated herein by reference is contained in 40 CFR Part 63. The 40 CFR section numbers appearing under each subpart in 9 VAC 5-60-100 identify the specific provisions of the subpart incorporated by reference. The specific version of the provision adopted by reference shall be that contained in the CFR (~~1998~~) (~~1999~~) in effect July 1, ~~1998~~ ~~1999~~. In making reference to the Code of Federal Regulations, 40 CFR Part 63 means Part 63 of Title 40 of the Code of Federal Regulations; 40 CFR 63.1 means Section 63.1 in Part 63 of Title 40 of the Code of Federal Regulations.

9 VAC 5-60-100. Designated emission standards.

Subpart A - General Provisions.

40 CFR 63.1 through 40 CFR 63.11

(applicability, definitions, units and abbreviations, prohibited activities and circumvention, construction and reconstruction, compliance with standards and maintenance requirements, performance testing requirements, monitoring requirements, notification requirements,

STATE AIR POLLUTION CONTROL BOARD

REGULATIONS FOR THE CONTROL AND ABATEMENT OF AIR POLLUTION (9 VAC 5 CHAPTERS 50 AND 60)

recordkeeping and reporting requirements, control device requirements)

- Subpart B - Not applicable.
- Subpart C - Not applicable.
- Subpart D - Not applicable.
- Subpart E - Not applicable.
- Subpart F - Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry.

40 CFR 63.100 through 40 CFR 63.106

(chemical manufacturing process units that manufacture as a primary product one or more of a listed chemical; use as a reactant or manufacture as a product, by-product, or co-product, one or more of a listed organic hazardous air pollutant; and are located at a plant site that is a major source as defined in § 112 of the federal Clean Air Act)
- Subpart G - Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

40 CFR 63.110 through 40 CFR 63.152

(all process vents, storage vessels, transfer operations, and wastewater streams within a source subject to subpart F, 40 CFR 63.100 through 40 CFR 63.106)
- Subpart H - Organic Hazardous Air Pollutants for Equipment Leaks.

40 CFR 60.160 through 40 CFR 60.182

(pumps, compressors, agitators, pressure relief devices, sampling

STATE AIR POLLUTION CONTROL BOARD

REGULATIONS FOR THE CONTROL AND ABATEMENT OF AIR POLLUTION (9 VAC 5 CHAPTERS 50 AND 60)

connection systems, open-ended valves or lines, valves, connectors, surge control vessels, bottoms receivers, instrumentation systems, and control devices or systems that are intended to operate in organic hazardous air pollutant service 300 hours or more during the calendar year within a source subject to the provisions of a specific subpart in 40 CFR Part 63)

- Subpart I - Organic Hazardous Air Pollutants for Certain Processes Subject to the Negotiated Regulation for Equipment Leaks.
40 CFR 63.190 through 40 CFR 63.192
(emissions of designated organic hazardous air pollutants from processes specified in this subpart that are located at a plant site that is a major source as defined in § 112 of the federal Clean Air Act)
- Subpart J - Reserved.
- Subpart K - Reserved.
- Subpart L - Coke Oven Batteries.
40 CFR 63.300 through 40 CFR 63.313
(existing by-product coke oven batteries at a coke plant, and existing nonrecovery coke oven batteries located at a coke plant)
- Subpart M - Perchloroethylene Dry Cleaning Facilities
40 CFR 63.320 through 40 CFR 63.325
(each dry cleaning facility that uses perchloroethylene)
- Subpart N - Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks

STATE AIR POLLUTION CONTROL BOARD

REGULATIONS FOR THE CONTROL AND ABATEMENT OF AIR POLLUTION (9 VAC 5 CHAPTERS 50 AND 60)

- 40 CFR 63.340 through 40 CFR 63.347
(each chromium electroplating or chromium anodizing tank at facilities performing hard chromium electroplating, decorative chromium electroplating, or chromium anodizing)
- Subpart O - Ethylene Oxide Commercial Sterilization and Fumigation Operations
40 CFR 63.360 through 40 CFR 63.367
(sterilization sources using ethylene oxide in sterilization or fumigation operations)
- Subpart P - Reserved.
- Subpart Q - Industrial Process Cooling Towers
40 CFR 63.400 through 40 CFR 63.406
(industrial process cooling towers that are operated with chromium-based water treatment chemicals)
- Subpart R - Gasoline Distribution Facilities
40 CFR 63.420 through 40 CFR 63.429
(bulk gasoline terminals and pipeline breakout stations)
- Subpart S - Pulp and Paper Industry
40 CFR 63.440 through 40 CFR 63.458
(processes that produce pulp, paper, or paperboard, and use the following processes and materials: kraft, soda, sulfite, or semi-chemical pulping processes using wood; or mechanical pulping processes using wood; or any process using secondary or non-wood fibers)
- Subpart T - Halogenated Solvent Cleaning

STATE AIR POLLUTION CONTROL BOARD

REGULATIONS FOR THE CONTROL AND ABATEMENT OF AIR POLLUTION (9 VAC 5 CHAPTERS 50 AND 60)

40 CFR 63.460 through 40 CFR 63.469

(each individual batch vapor, in-line vapor, in-line cold, and batch cold solvent cleaning machine that uses any solvent containing methylene chloride, perchlorethylene, trichloroethylene, 1,1,1-trichloroethane, carbon tetrachloride, or chloroform)

Subpart U - Group I Polymers and Resins

40 CFR 63.480 through 40 CFR 63.506

(elastomer product process units that produce butyl rubber, halobutyl rubber, epichlorohydrin elastomers, ethylene propylene rubber, Hypalon™, neoprene, nitrile butadiene rubber, nitrile butadiene latex, polysulfide rubber, polybutadiene rubber/styrene butadiene rubber by solution, styrene butadiene latex, and styrene butadiene rubber by emulsion)

Subpart V - Reserved.

Subpart W - Epoxy Resins Production and Non-Nylon Polyamides Production

40 CFR 63.520 through 40 CFR 63.527

(manufacturers of basic liquid epoxy resins and wet strength resins)

Subpart X - Secondary Lead Smelting

40 CFR 63.541 through 40 CFR 63.550

(at all secondary lead smelters: blast, reverbatory, rotary, and electric smelting furnaces; refining kettles; agglomerating furnaces; dryers; process fugitive sources; and fugitive dust sources)

Subpart Y - Marine Tank Vessel Tank Loading Operations

STATE AIR POLLUTION CONTROL BOARD

REGULATIONS FOR THE CONTROL AND ABATEMENT OF AIR POLLUTION (9 VAC 5 CHAPTERS 50 AND 60)

40 CFR 63.560 through 40 CFR 63.567

(marine tank vessel unloading operations at petroleum refineries)

Subpart Z - Reserved.

Subpart AA - ~~Reserved: Phosphoric Acid Manufacturing Plants~~

~~40 CFR 63.600 through 40 CFR 63.610~~

~~(wet-process phosphoric acid process lines, evaporative cooling towers, rock dryers, rock calciners, superphosphoric acid process lines, purified acid process lines)~~

Subpart BB - ~~Reserved: Phosphate Fertilizers Production Plants~~

~~40 CFR 63.620 through 40 CFR 63.631~~

~~(diammonium and monoammonium phosphate process lines, granular triple superphosphate process lines, and granular triple superphosphate storage buildings)~~

Subpart CC - Petroleum Refineries

40 CFR 63.640 through 40 CFR 63.654

(storage tanks, equipment leaks, process vents, and wastewater collection and treatment systems at petroleum refineries)

Subpart DD - Off-Site Waste and Recovery Operations

40 CFR 63.680 through 40 CFR 63.697

(operations that treat, store, recycle, and dispose of waste received from other operations that produce waste or recoverable materials as part of their manufacturing processes)

Subpart EE - Magnetic Tape Manufacturing Operations

STATE AIR POLLUTION CONTROL BOARD

REGULATIONS FOR THE CONTROL AND ABATEMENT OF AIR POLLUTION (9 VAC 5 CHAPTERS 50 AND 60)

40 CFR 63.701 through 40 CFR 63.708

(manufacturers of magnetic tape)

Subpart FF - Reserved.

Subpart GG - Aerospace Manufacturing and Rework Facilities

40 CFR 63.740 through 40 CFR 63.752

(facilities engaged in the manufacture or rework of commercial, civil, or military aerospace vehicles or components)

~~Subpart HH - Reserved: Oil and Natural Gas Production Facilities~~

~~40 CFR 63.760 through 40 CFR 63.779~~

~~(facilities that process, upgrade, or store hydrocarbon liquids or natural gas; ancillary equipment and compressors intended to operate in volatile hazardous air pollutant service)~~

Subpart II - Shipbuilding and Ship Repair (Surface Coating)

40 CFR 63.780 through 40 CFR 63.788

(shipbuilding and ship repair operations)

Subpart JJ - Wood Furniture Manufacturing Operations

40 CFR 63.800 through 40 CFR 63.819

(finishing materials, adhesives, and strippable spray booth coatings; storage, transfer, and application of coatings and solvents)

Subpart KK - Printing and Publishing Industry

40 CFR 63.820 through 40 CFR 63.831

(publication rotogravure, product and packaging rotogravure, and wide-web printing processes)

STATE AIR POLLUTION CONTROL BOARD

REGULATIONS FOR THE CONTROL AND ABATEMENT OF AIR POLLUTION (9 VAC 5 CHAPTERS 50 AND 60)

Subpart LL - Primary Aluminum Reduction Plants

40 CFR 63.840 - through 40 CFR 63.859

(each pitch storage tank, potline, paste production plant, or anode bulk furnace associated with primary aluminum production)

Subpart MM - Reserved.

Subpart NN - Reserved.

Subpart OO - Tanks - Level 1

40 CFR 63.900 through 40 CFR 63.907

(for off-site waste and recovery operations, fixed-roof tanks)

Subpart PP - Containers

40 CFR 63.920 through 40 CFR 63.928

(for off-site waste and recovery operations, containers)

Subpart QQ - Surface Impoundments

40 CFR 63.940 through 40 CFR 63.948

(for off-site waste and recovery operations, surface impoundment covers and vents)

Subpart RR - Individual Drain Systems

40 CFR 63.960 through 40 CFR 63.966

(for off-site waste and recovery operations, inspection and maintenance of individual drain systems)

Subpart SS - ~~Reserved: Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process~~

~~40 CFR 63.980 through 40 CFR 63.999~~

STATE AIR POLLUTION CONTROL BOARD

REGULATIONS FOR THE CONTROL AND ABATEMENT OF AIR POLLUTION (9 VAC 5 CHAPTERS 50 AND 60)

~~(closed vent systems, control devices, recovery devices, and routing to a fuel gas system or a process, when associated with facilities subject to a referencing subpart)~~

Subpart TT - ~~Reserved: Equipment Leaks - Control Level 1~~

~~40 CFR 63.1000 through 40 CFR 63.1018~~

~~(control of air emissions from equipment leaks when associated with facilities subject to a referencing subpart)~~

Subpart UU - ~~Reserved: Equipment Leaks - Control Level 2~~

~~40 CFR 63.1019 through 40 CFR 63.1039~~

~~(control of air emissions from equipment leaks when associated with facilities subject to a referencing subpart: pumps, compressors, agitators, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, connectors, instrumentation systems, closed vent systems and control devices)~~

Subpart VV - Oil-Water Separators and Organic-Water Separators

40 CFR 63.1040 through 40 CFR 63.1049

(for off-site waste and recovery operations, oil-water separators and organic-water separator roofs and vents)

Subpart WW - ~~Reserved: Storage Vessels (Tanks) - Control Level 2~~

~~40 CFR 63.1060 through 40 CFR 63.1066~~

~~(storage vessels associated with facilities subject to a referencing subpart)~~

Subpart XX - Reserved.

STATE AIR POLLUTION CONTROL BOARD

REGULATIONS FOR THE CONTROL AND ABATEMENT OF AIR POLLUTION (9 VAC 5 CHAPTERS 50 AND 60)

Subpart YY - ~~Reserved: Generic Maximum Achievable Control Technology Standards~~

~~40 CFR 63.1100 through 40 CFR 63.1113~~

~~(acetal resins production, acrylic and modacrylic fibers production,
hydrogen fluoride production, polycarbonate production)~~

Subpart ZZ - Reserved.

Subpart AAA - Reserved.

Subpart BBB - Reserved.

Subpart CCC - ~~Reserved: Steel Pickling--Hydrogen Chloride Process Facilities and
Hydrochloric Acid Regeneration Plants~~

~~40 CFR 63.1155 through 40 CFR 63.1174~~

~~(steel pickling facilities that pickle carbon steel using hydrochloric acid
solution, hydrochloric acid regeneration plants)~~

Subpart DDD - ~~Reserved: Mineral Wool Production~~

~~40 CFR 63.1175 through 63.1199~~

~~(cupolas and curing ovens at mineral wool manufacturing facilities)~~

Subpart EEE - Reserved.

Subpart FFF - Reserved.

Subpart GGG - ~~Reserved: Pharmaceutical Production~~

~~40 CFR 63.1250 through 40 CFR 63.1261~~

~~(pharmaceutical manufacturing operations)~~

Subpart HHH - ~~Reserved: Natural Gas Transmission and Storage Facilities~~

~~40 CFR 63.1270 through 40 CFR 63.1289~~

~~(natural gas transmission and storage facilities that transport or store~~

STATE AIR POLLUTION CONTROL BOARD

REGULATIONS FOR THE CONTROL AND ABATEMENT OF AIR POLLUTION (9 VAC 5 CHAPTERS 50 AND 60)

~~natural gas prior to entering the pipeline to a local distribution company
or to a final end user)~~

~~Subpart III - Reserved: Flexible Polyurethane Foam Production~~

~~40 CFR 63.1290 through 40 CFR 63.1309~~

~~(flexible polyurethane foam or rebond processes)~~

Subpart JJJ - Group IV Polymers and Resins

40 CFR 63.1310 through 40 CFR 63.1335

(facilities which manufacture acrylonitrile butadiene styrene resin, styrene acrylonitrile resin, methyl methacrylate butadiene styrene resin, polystyrene resin, poly(ethylene terephthalate) resin, or nitrile resin)

Subpart KKK - Reserved.

~~Subpart LLL - Reserved: Portland Cement Manufacturing~~

~~40 CFR 63.1340 through 40 CFR 63.1359~~

~~(kilns; in-line kilns/raw mills; clinker coolers; raw mills; finish mills; raw material dryers; raw material, clinker, or finished product storage bins; conveying system transfer points; bagging systems; bulk loading or unloading systems)~~

~~Subpart MMM - Reserved: Pesticide Active Ingredient Production~~

~~40 CFR 63.1360 through 40 CFR 63.1369~~

~~(pesticide active ingredient manufacturing process units, waste management units, heat exchange systems, and cooling towers)~~

~~Subpart NNN - Reserved: Wool Fiberglass Manufacturing~~

~~40 CFR 63.1380 through 63.1399~~

STATE AIR POLLUTION CONTROL BOARD

REGULATIONS FOR THE CONTROL AND ABATEMENT OF AIR POLLUTION (9 VAC 5 CHAPTERS 50 AND 60)

~~(glass melting furnaces, rotary spin wool fiberglass manufacturing lines producing bonded wool fiberglass building insulation or bonded heavy-density product)~~

Subpart OOO - Reserved.

~~Subpart PPP - Reserved: Polyether Polyols Production~~

~~40 CFR 63.1420 through 40 CFR 63.1439~~

~~(polyether polyol manufacturing process units)~~

Subpart QQQ - Reserved.

Subpart RRR - Reserved.

Subpart SSS - Reserved.

~~Subpart TTT - Reserved: Primary Lead Smelting~~

~~40 CFR 63.1541 through 40 CFR 63.1550~~

~~(sinter machines, blast furnaces, dross furnaces, process fugitive sources, fugitive dust sources)~~

Subpart UUU - Reserved.

Subpart VVV - Reserved.

Subpart WWW - Reserved.

~~Subpart XXX - Reserved: Ferroalloys Production: Ferromanganese and Silicomanganese~~

~~40 CFR 63.1620 through 40 CFR 63.1679~~

~~(submerged arc furnaces, metal oxygen refining processes, crushing and screening operations, fugitive dust sources)~~

Subpart YYY - Reserved.

Subpart ZZZ - Reserved.

STATE AIR POLLUTION CONTROL BOARD

REGULATIONS FOR THE CONTROL AND ABATEMENT OF AIR POLLUTION (9 VAC 5 CHAPTERS 50 AND 60)

Appendix A - Test Methods.

Appendix B - Sources Defined for Early Reduction Provisions.

Appendix C - Determination of the Fraction Biodegraded (F_{bio}) in a Biological Treatment Unit.

Appendix D - Alternative Validation Procedure for EPA Waste and Wastewater Methods.

9 VAC 5-60-110. Word or phrase substitutions.

In all of the standards designated in 9 VAC 5-60-100 substitute:

- A. Owner or other person for owner or operator.
- B. Board for administrator.
- C. Board for U.S. Environmental Protection Agency (except in references).

REG\DEV\C99-REG.FIN

CERTIFICATION

REGULATION 9 VAC 5 CHAPTERS 50 AND 60, REVISION C99
CONCERNING
TECHNICAL DOCUMENTS INCORPORATED BY REFERENCE

I certify that this regulation is full, true, and correctly dated.

Signature: _____

Name of Certifying Official: Dennis H. Treacy

Title: Director

Agency: Department of Environmental Quality

Date: _____